

Datasheet for ABIN2779317  
**anti-p53 antibody (N-Term)**

6 Images



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## Overview

Quantity:	100 µL
Target:	p53 (TP53)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Cow, Dog, Pig, Rabbit, Horse, Sheep, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TP53
Sequence:	EEPQSDPSVE PPLSQETFSD LWKLLPENNV LSPLPSQAMD DLMLSPDDIE
Predicted Reactivity:	Cow: 100%, Dog: 80%, Guinea Pig: 90%, Horse: 90%, Human: 100%, Pig: 100%, Rabbit: 100%, Rat: 90%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against TP53. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	p53 (TP53)
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## Target Details

Alternative Name:	TP53 ( <a href="#">TP53 Products</a> )
Background:	<p>TP53 acts as a tumor suppressor in many tumor types, induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity.</p> <p>Alias Symbols: LFS1, TRP53, p53</p> <p>Protein Size: 393</p>
Molecular Weight:	44 kDa
Gene ID:	7157
NCBI Accession:	<a href="#">NM_000546</a> , <a href="#">NP_000537</a>
UniProt:	<a href="#">P04637</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">MAPK Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">AMPK Signaling</a> , <a href="#">Chromatin Binding</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Autophagy</a> , <a href="#">Warburg Effect</a>

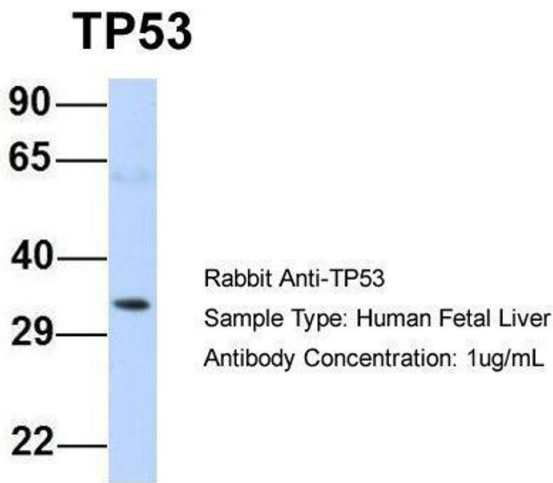
## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 393 AA
Restrictions:	For Research Use only

## Handling

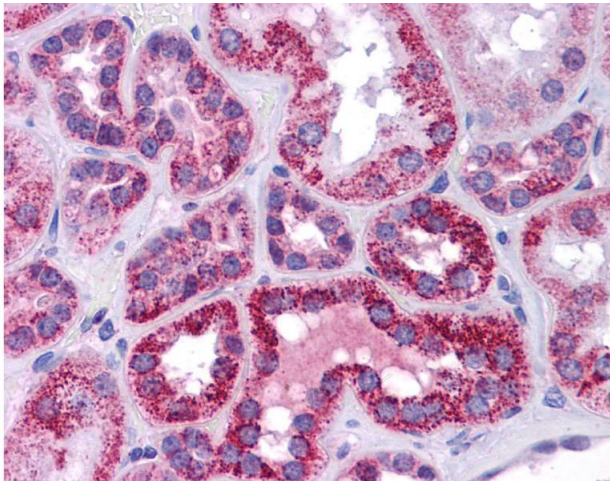
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



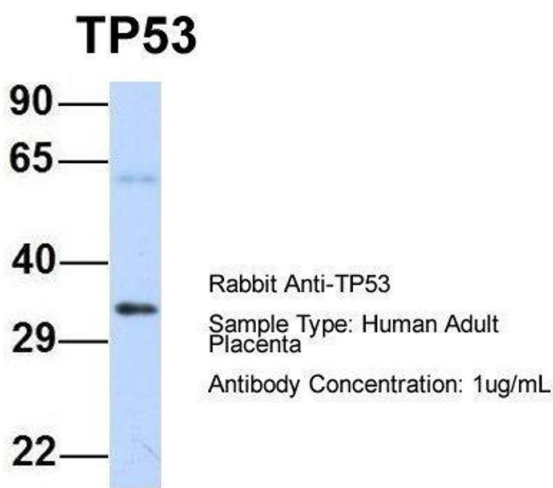
### Western Blotting

**Image 1.** Host: Rabbit Target Name: TP53 Sample Type: Human Fetal Liver Antibody Dilution: 1.0ug/ml



### Immunohistochemistry

**Image 2.**



**Western Blotting**

**Image 3.** Host: Rabbit  
Target Name: TP53  
Sample Tissue: Human Adult Placenta  
Antibody Dilution: 1.0 µg/mL

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2779317.